

# Component Tracking Timeview<sup>©</sup> [DEVS-Suite Simulator 5.0.0]

## Plot, Tabulate, Store

State, I/O, Clock	Plot (ALL)	
Mutually exclusive	Tab	<input checked="" type="checkbox"/>
	Separate	<input checked="" type="checkbox"/>
Mutually exclusive	Stack	<input checked="" type="checkbox"/>
	No stack	<input checked="" type="checkbox"/>

	Tabulate (ALL)	
Mutually exclusive	Tab	<input checked="" type="checkbox"/>
	Separate	<input checked="" type="checkbox"/>

	Database (ALL)	
	States	<input checked="" type="checkbox"/>
	Inputs	<input checked="" type="checkbox"/>
	Outputs	<input checked="" type="checkbox"/>
	Clock	<input checked="" type="checkbox"/>
Mutually exclusive	Z-A	<input checked="" type="checkbox"/>
	A-Z	<input checked="" type="checkbox"/>

When either the Tab/Separate or the Stack/No stack option is used, then default setting need to be provided for the other.  
Default: Tab, Stack

## Time-axis

Unit	Increment	Superdense
Sec	10	<input checked="" type="checkbox"/>

## State variables

		Plot			
Name	Unit	Stack	No stack	Tabulate	Database
phase	Mode	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Sigma	Second	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Job ID	NA		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

## Clock variables

		Plot			
Name	Unit	Stack	No stack	Tabulate	Database
tL	Mode	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
tN	Second	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

## Input ports

		Plot			
Name	Unit	Stack	No stack	Tabulate	Database
None	N/A				
in	Job ID		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Output ports

		Plot			
Name	Unit	Stack	No stack	Tabulate	Database
out	Job ID	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

# A Sample Timeview Configuration

The screenshot shows the 'Component Tracking' dialog box with the following sections:

- Component Tracking** (Left Panel): A tree view showing the project structure. The 'MultiSco' component is highlighted.
- Tracking Options** (Top Left):
  - Apply All**: A button to apply settings to all components.
  - Name**: A table with columns for Name, Stack, Plot, and Tabulate.
  - State Variables**: A table with columns for Name, Units, Stack, Plot, and Tabulate.
  - Input Ports**: A table with columns for Name, Units, Stack, Plot, and Tabulate.
- General** (Top Right):
  - Time Axis Settings**: X-Axis Units (sec), Increment (2), and Superdense checkbox.
  - Time View Options**: Plot (A-Z) and Tabulate (A-Z) dropdowns.
- Clock** (Bottom Left): A table with columns for Name, Units, Stack, Plot, and Tabulate.
- Output Ports** (Bottom Right): A table with columns for Name, Units, Stack, Plot, and Tabulate.

Buttons at the bottom: Track, Reset, < Prev, Next >, Finish, Cancel.